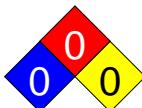


## 1 Identification

- **Product identifier**
- **Trade name:** PAT-ADD DA103
- **Application of the substance / the mixture** Coating Additive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Patcham (FZC)  
P.O.Box 7753,  
SAIF Zone,  
SHARJAH  
UNITED ARAB EMIRATES  
research@patchamltd.com
- **Information department:** Research and Development Department
- **Emergency telephone number:** Chemtrec 24hrs call 1-800-424-9300

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0  
Fire = 0  
Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Na-Polyacrylate based compound in water

- **Dangerous components:**

7732-18-5	water, distilled, conductivity or of similar purity	40 - 60%
9003-04-7	Sodium polyacrylate salt	40 - 60%

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**Trade name: PAT-ADD DA103**

(Contd. of page 1)

## **4 First-aid measures**

- Description of first aid measures**
- General information:** No special measures required.
- After inhalation:** Supply fresh air; consult doctor in case of complaints.
- After skin contact:** Generally the product does not irritate the skin.
- After eye contact:** Rinse opened eye for several minutes under running water.
- After swallowing:** If symptoms persist consult doctor.
- Information for doctor:**
- Most important symptoms and effects, both acute and delayed** No further relevant information available.
- Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## **5 Fire-fighting measures**

- Extinguishing media**
- Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture** No further relevant information available.
- Advice for firefighters**
- Protective equipment:** No special measures required.

## **6 Accidental release measures**

- Personal precautions, protective equipment and emergency procedures** Not required.
- Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to other sections**  
No dangerous substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- Protective Action Criteria for Chemicals**

**. PAC-1:**

None of the ingredients is listed.

**. PAC-2:**

None of the ingredients is listed.

**. PAC-3:**

None of the ingredients is listed.

## **7 Handling and storage**

- Handling:**
- Precautions for safe handling** No special measures required.
- Information about protection against explosions and fires:** No special measures required.

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**Trade name: PAT-ADD DA103**

(Contd. of page 2)

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

## **8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
Nitrile rubber, NBR  
Nitrile rubber, NBR
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

## **9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
- **General Information**

<b>Appearance:</b>	Clear
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless to yellow
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	Not determined.
- **pH-value at 25 °C (77 °F):** 6.5 - 7.5
- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	100 °C (212 °F)
- **Flash point:** Not applicable.

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<b>. Flammability (solid, gaseous):</b>	Not applicable.
<b>. Decomposition temperature:</b>	Not determined.
<b>. Auto igniting:</b>	Product is not selfigniting.
<b>. Danger of explosion:</b>	Product does not present an explosion hazard.
<b>. Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>. Vapor pressure at 20 °C (68 °F):</b>	23 hPa (17.3 mm Hg)
<b>. Density:</b>	Not determined.
<b>. Relative density</b>	Not determined.
<b>. Specific Gravity</b>	~1.32 @ 25 °C (~34.4 °F)
<b>. Evaporation rate</b>	Not determined.
<b>. Solubility in / Miscibility with</b>	
<b>Water:</b>	Fully miscible
<b>. Partition coefficient (n-octanol/water):</b>	Not determined.
<b>. Viscosity:</b>	
<b>Dynamic at 25 °C (77 °F):</b>	<450 cP
<b>Kinematic:</b>	Not determined.
<b>. Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- . Reactivity** No further relevant information available.
- . Chemical stability**
- . Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . Possibility of hazardous reactions** No dangerous reactions known.
- . Conditions to avoid** No further relevant information available.
- . Incompatible materials:** No further relevant information available.
- . Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- . Information on toxicological effects**
- . Acute toxicity:**

- . LD/LC50 values that are relevant for classification:**

Oral	LD50	>5,000 mg/kg (rat)
Inhalative	LC50/4 h	>1,000 mg/l (Fish)

- . Primary irritant effect:**
- . on the skin:** No irritant effect.
- . on the eye:** No irritating effect.
- . Sensitization:** No sensitizing effects known.
- . Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

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**Trade name: PAT-ADD DA103**

(Contd. of page 4)

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**. Carcinogenic categories**

**. IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**. NTP (National Toxicology Program)**

None of the ingredients is listed.

**. OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information**

**. Toxicity**

**. Aquatic toxicity:** No further relevant information available.

**. Persistence and degradability** No further relevant information available.

**. Behavior in environmental systems:**

**. Bioaccumulative potential** No further relevant information available.

**. Mobility in soil** No further relevant information available.

**. Additional ecological information:**

**. General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**. Results of PBT and vPvB assessment**

**. PBT:** Not applicable.

**. vPvB:** Not applicable.

**. Other adverse effects** No further relevant information available.

**13 Disposal considerations**

**. Waste treatment methods**

**. Recommendation:** Smaller quantities can be disposed of with household waste.

**. Uncleaned packagings:**

**. Recommendation:** Disposal must be made according to official regulations.

**. Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

**. UN-Number**

**. DOT, ADR, ADN, IMDG, IATA** Void

**. UN proper shipping name**

**. DOT, ADR, ADN, IMDG, IATA** Void

**. Transport hazard class(es)**

**. DOT, ADR, ADN, IMDG, IATA**

**. Class** Void

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**Trade name: PAT-ADD DA103**

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<b>. Packing group</b>	
<b>. DOT, ADR, IMDG, IATA</b>	<i>Void</i>
<b>. Environmental hazards:</b>	
<b>. Marine pollutant:</b>	<i>No</i>
<b>. Special precautions for user</b>	<i>Not applicable.</i>
<b>. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	<i>Not applicable.</i>
<b>. Transport/Additional information:</b>	
<b>. DOT</b>	
<b>. Remarks:</b>	<i>Not classified as a dangerous good under transport regulations</i>
<b>. UN "Model Regulation":</b>	<i>Void</i>

## 15 Regulatory information

- . Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . Sara**

- . Section 355 (extremely hazardous substances):**

*None of the ingredients is listed.*

- . Section 313 (Specific toxic chemical listings):**

*None of the ingredients is listed.*

- . TSCA (Toxic Substances Control Act):**

*All ingredients are listed*

- . Proposition 65**

- . Chemicals known to cause cancer:**

*None of the ingredients is listed.*

- . Chemicals known to cause reproductive toxicity for females:**

*None of the ingredients is listed.*

- . Chemicals known to cause reproductive toxicity for males:**

*None of the ingredients is listed.*

- . Chemicals known to cause developmental toxicity:**

*None of the ingredients is listed.*

- . Carcinogenic categories**

- . EPA (Environmental Protection Agency)**

*None of the ingredients is listed.*

- . TLV (Threshold Limit Value established by ACGIH)**

*None of the ingredients is listed.*

- . NIOSH-Ca (National Institute for Occupational Safety and Health)**

*None of the ingredients is listed.*

- . GHS label elements** *Void*

- . Hazard pictograms** *Void*

- . Signal word** *Void*

- . Hazard statements** *Void*

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US

# Safety Data Sheet

acc. to OSHA HCS

Reviewed on 10/23/2018

**Trade name: PAT-ADD DA103**

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- Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Department issuing SDS:** Research and Development Department

**Contact:** [research@patchamltd.com](mailto:research@patchamltd.com)

**Date of preparation / last revision** 10/23/2018 / 2

### Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

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